

ABSTRACT OF THE DISCLOSURE

The optical interferometer in which the incident light beam 3 is branched into 2 optical paths of the reflection light and the transmission light which cross at right angle with each other by the beam splitter 4, and on each optical path, the reflection light is totally reflected by the first reflection unit 5, and the transmission light is totally reflected by the second reflection unit 6, and the reflection lights by both reflection units 5 and 6 are wave-combined again by the beam splitter 4, and received by the light receiver 7. The beam splitter 4 by which the incident light beam is wave-separated and wave-combined, is arranged with a little inclination from the vertical to the incident light beam.